



Stage 5
- Option A: Hard armouring and repair existing retaining wall
- Option B: Toe protection and terrace and repair existing retaining wall

Stage 4
- Toe protection (geotextile sand containers)

Stage 3
- Toe protection (geotextile sand containers)

Stage 2
- Rock beaching and swimming bay

Stage 1
- Toe protection (geotextile sand containers)

SITE: WAIKERIE STAGES 1 TO 5					
TITLE BANK STABILISATION CONCEPT DESIGN					
SCALE @ A3	DRAWN DATE: 20/10/2025	DESIGNED SB	APPRVD	APPRVD DATE	20/10/2025
PROJECT NO: 25122_0	DWG NO. 001	REVISION A1	SHEET NO 001	FILE NAME	



Loxton
Waikerie

A		CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	SB
REV		DESCRIPTION	DATE	APPRVD

CONCEPTUAL DRAFT

Legend		Swimming Bay
Bench		Repair of existing retaining wall
Terrace		
Toe protection		
Hard armouring		



SITE: WAIKERIE STAGE 1					
TITLE BANK STABILISATION CONCEPT DESIGN					
OPTION A - TOE PROTECTION					
SCALE @ A3	DRAWN DATE: 08/10/2025	DESIGNED SB	APPRVD	APPRVD DATE	08/10/2025
PROJECT NO: 25122_0	DWG NO. 001	REVISION A1	SHEET NO 001	FILE NAME	WS1_TERRACE



NEILLY GROUP
engineering for the environment



District Council of
Loyton
Waikerie

A		CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	SB
REV		DESCRIPTION	DATE	APPRVD
CONCEPTUAL DRAFT				

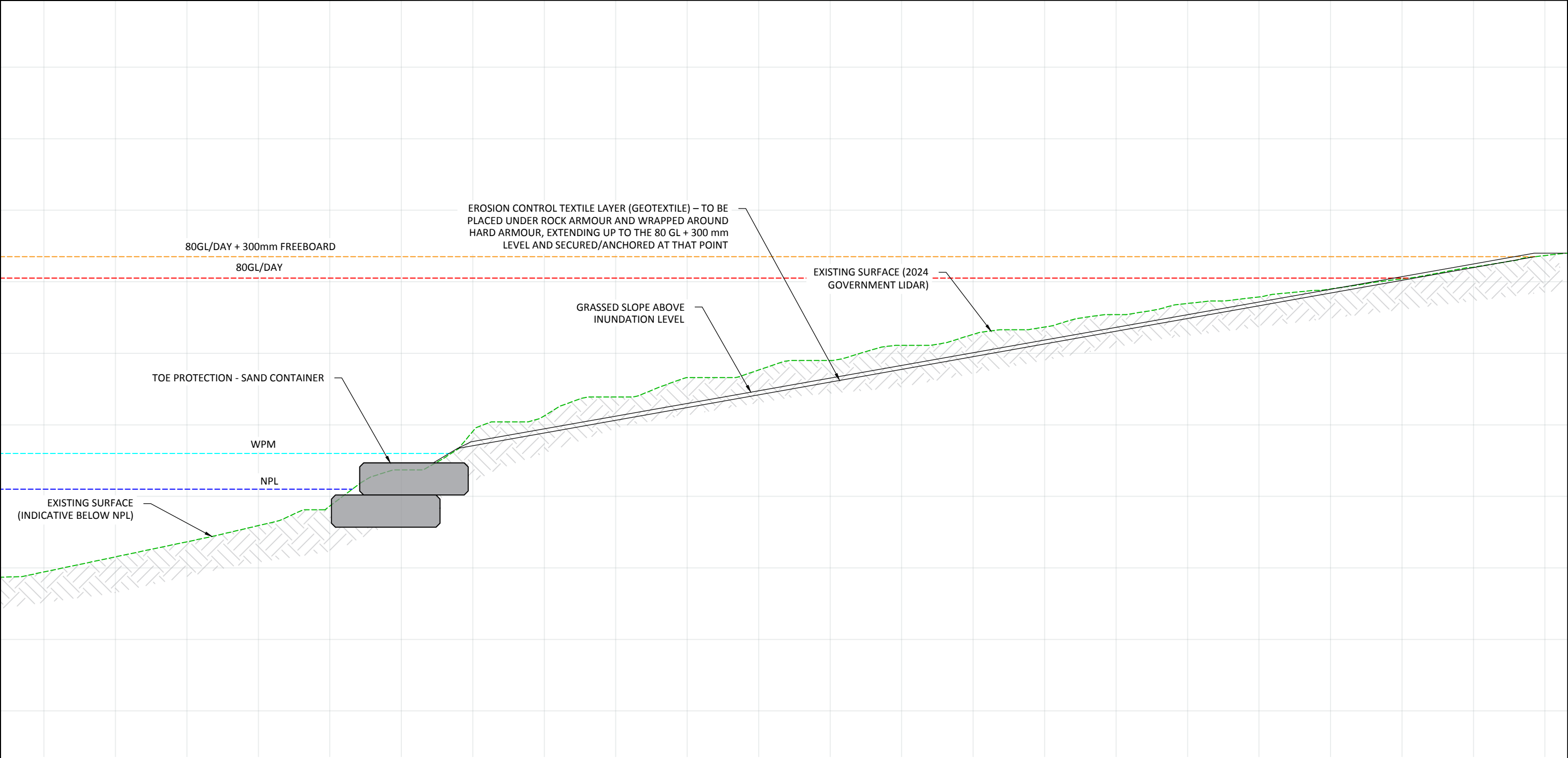
LEGEND

 Toe Protection

 Weir Pool Manipulations Level (6.6m AHD)

 80GL/Day Level (9.05m AHD)

 80GL/Day + 300mm Freeboard Level (9.35m AHD)



TYPICAL SECTION - OPTION A

SITE: WAIKERIE STAGE 1 TITLE: BANK STABILISATION CONCEPT DESIGN OPTION A - TOE PROTECTION						 NEILLY GROUP <i>engineering for the environment</i> E admin@neillygroup.com.au		ENGINEER									
SCALE @ A3 AS SHOWN						CLIENT:  District Council of Loxton Waikerie		QUALIFICATION									
								A1		CONCEPTUAL FOR STAKEHOLDER REVIEW		08/10/2025		MB			
PROJECT NO. 25122_0						DRAWING NO. 001		REV		DESCRIPTION		DATE		APPRVD			
DRAWN DATE 08/10/2025						DRAWN MB		DESIGNED JD		CHECKED		CHECK DATE 18/09/2025		SIGNED:		STATUS: CONCEPTUAL DRAFT	
FILE NAME WS1_Concept Section.dwg														DATE: 08/10/2025			



SITE:
WAIKERIE STAGE 2
TITLE
BANK STABILISATION CONCEPT DESIGN
HARD ARMOURING + SWIMMING BAY RESHAPING

SCALE @ A3	DRAWN DATE: 08/10/2025	DESIGNED SB	APPRVD	APPRVD DATE	08/10/2025
PROJECT NO: 25122_0	DWG NO. 001	REVISION A1	SHEET NO 001	FILE NAME	WS2_HARDARM



A	CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	SB
REV	DESCRIPTION	DATE	APPRVD

CONCEPTUAL DRAFT

- LEGEND
- Hard Armouring
 - Swimming Bay
 - Weir Pool Manipulations Level (6.6m AHD)
 - 80GL/Day Level (9.05m AHD)
 - 80GL/Day + 300mm Freeboard Level (9.35m AHD)



SITE:
WAIKERIE STAGE 4
TITLE
BANK STABILISATION CONCEPT DESIGN
OPTION A - TOE PROTECTION

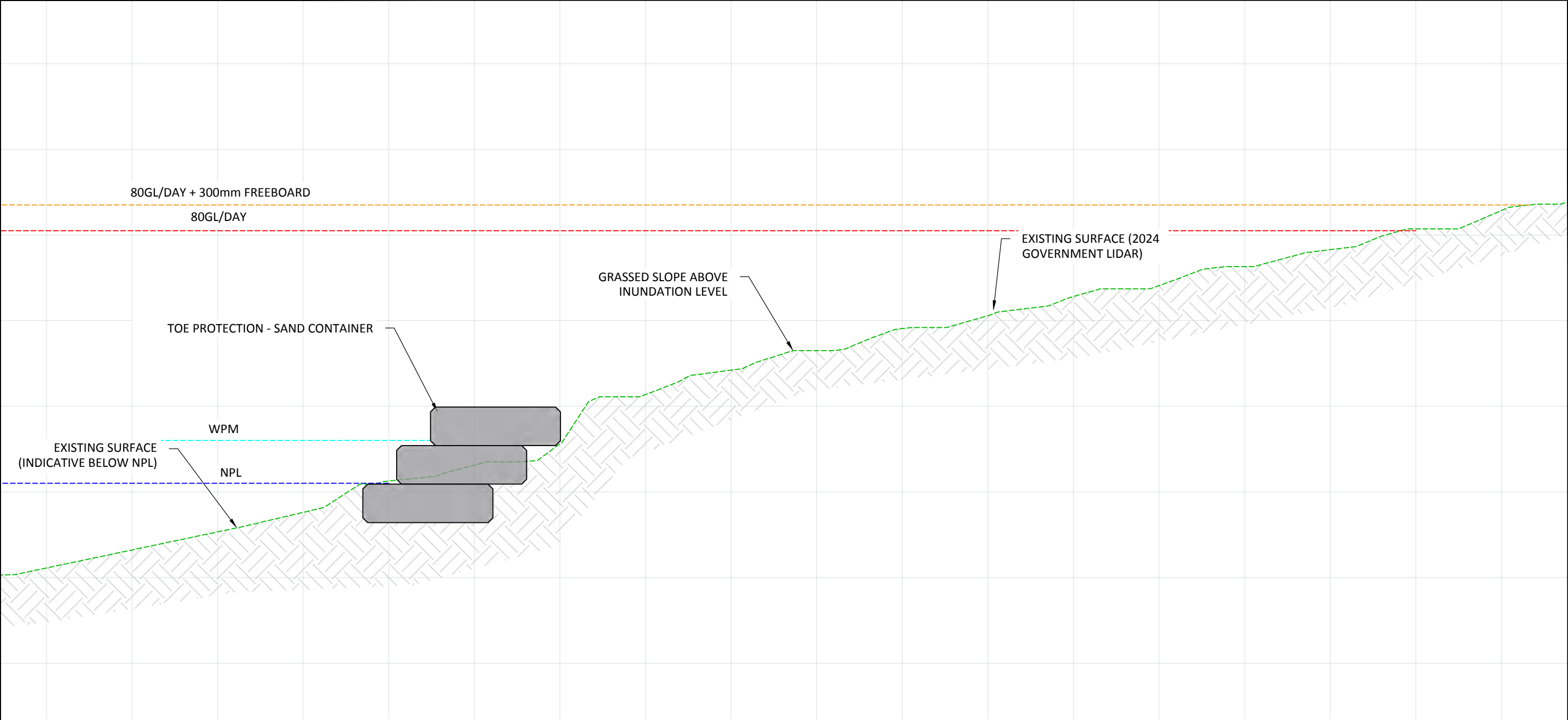


A	CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	SB
REV	DESCRIPTION	DATE	APPRVD

CONCEPTUAL DRAFT

- LEGEND
-  Toe Protection
 -  Weir Pool Manipulations Level (6.6m AHD)
 -  80GL/Day Level (9.05m AHD)
 -  80GL/Day + 300mm Freeboard Level (9.35m AHD)

SCALE @ A3	DRAWN DATE: 08/10/2025	DESIGNED SB	APPRVD	APPRVD DATE	08/10/2025
PROJECT NO: 25122_0	DWG NO. 001	REVISION A1	SHEET NO 001	FILE NAME	WS4_TOEPROT



TYPICAL SECTION - OPTION A

SITE: WAIKERIE STAGE 4 TITLE: BANK STABILISATION CONCEPT DESIGN OPTION A - TOE PROTECTION						 NEILLY GROUP engineering for the environment E admin@neillygroup.com.au		ENGINEER						
								QUALIFICATION						
								A1	CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	MB			
								REV	DESCRIPTION	DATE	APPRVD			
SCALE @ A3 AS SHOWN	DRAWN DATE 08/10/2025	DRAWN MB	DESIGNED JD	CHECKED	CHECK DATE 18/09/2025	CLIENT:  District Council of Loxton Waikerie		SIGNED:		STATUS:		CONCEPTUAL DRAFT		
PROJECT NO. 25122_0	DRAWING NO. 001	FILE NAME WS4_Concept Section.dwg					DATE: 08/10/2025							



SITE:
WAIKERIE STAGE 5
TITLE
BANK STABILISATION CONCEPT DESIGN
OPTION A - HARD ARMOURING

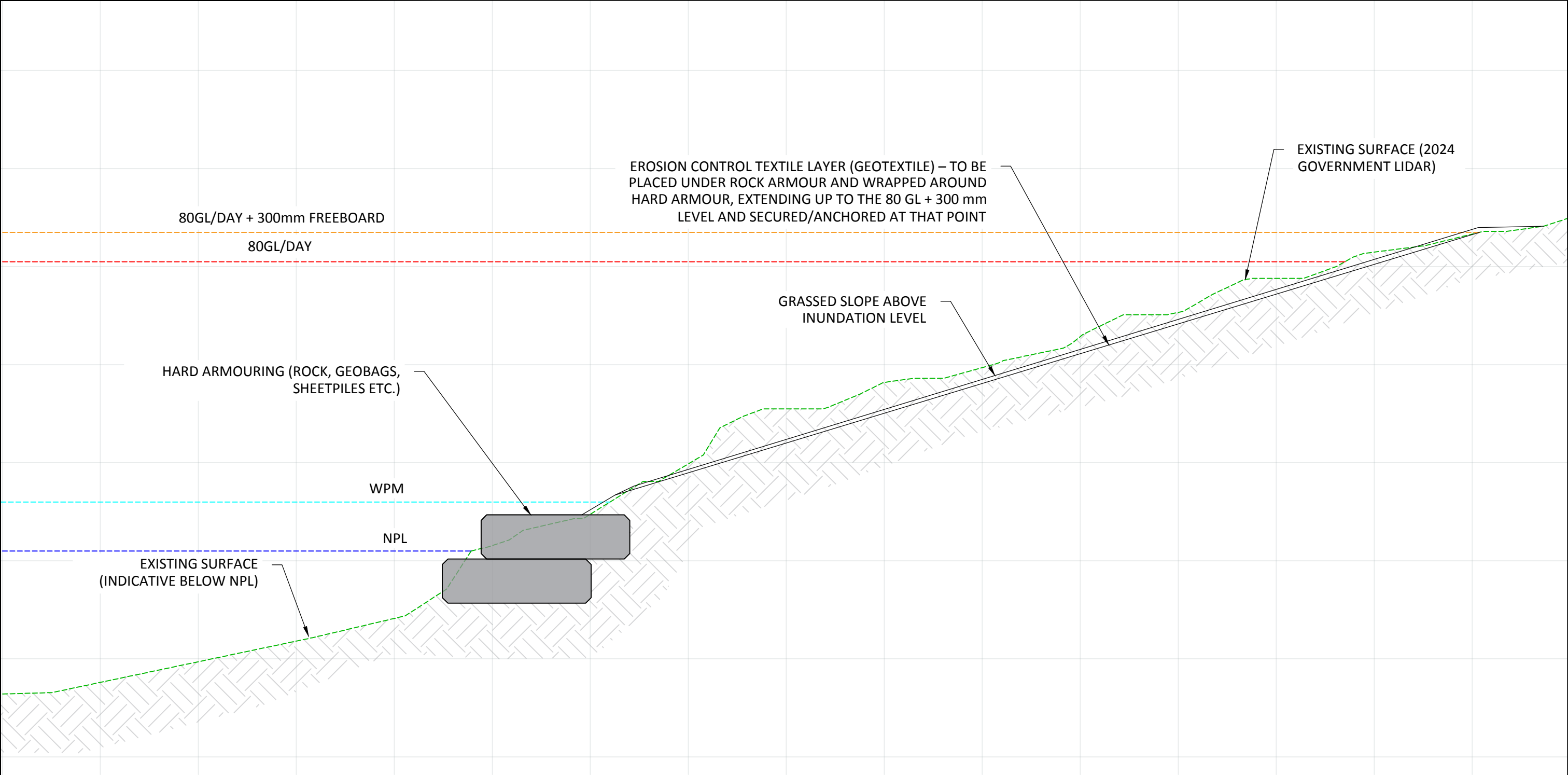
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PROJECT NO: 25122_0	DWG NO. 001	REVISION A1	SHEET NO 001	FILE NAME	WS5_TERRACE



A	CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	SB
REV	DESCRIPTION	DATE	APPRVD

CONCEPTUAL DRAFT

- LEGEND
- Hard Armouring
 - Repair of Existing Retaining Wall
 - Weir Pool Manipulations Level (6.6m AHD)
 - 80GL/Day Level (9.05m AHD)
 - 80GL/Day + 300mm Freeboard Level (9.35m AHD)



TYPICAL SECTION - OPTION A

SITE: WAIKERIE STAGE 5 TITLE: BANK STABILISATION CONCEPT DESIGN OPTION A - HARD ARMOURING						 NEILLY GROUP <i>engineering for the environment</i> E admin@neillygroup.com.au		ENGINEER							
SCALE @ A3 AS SHOWN						CLIENT:  District Council of Loxton Waikerie		QUALIFICATION							
								A1	CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	MB				
								REV	DESCRIPTION	DATE	APPRVD				
PROJECT NO. 25122_0	DRAWING NO. 001	FILE NAME WS5_Concept Section.dwg						SIGNED:		STATUS: CONCEPTUAL DRAFT					
								DATE: 08/10/2025							



SITE:
WAIKERIE STAGE 5
TITLE
BANK STABILISATION CONCEPT DESIGN
OPTION B - TERRACE

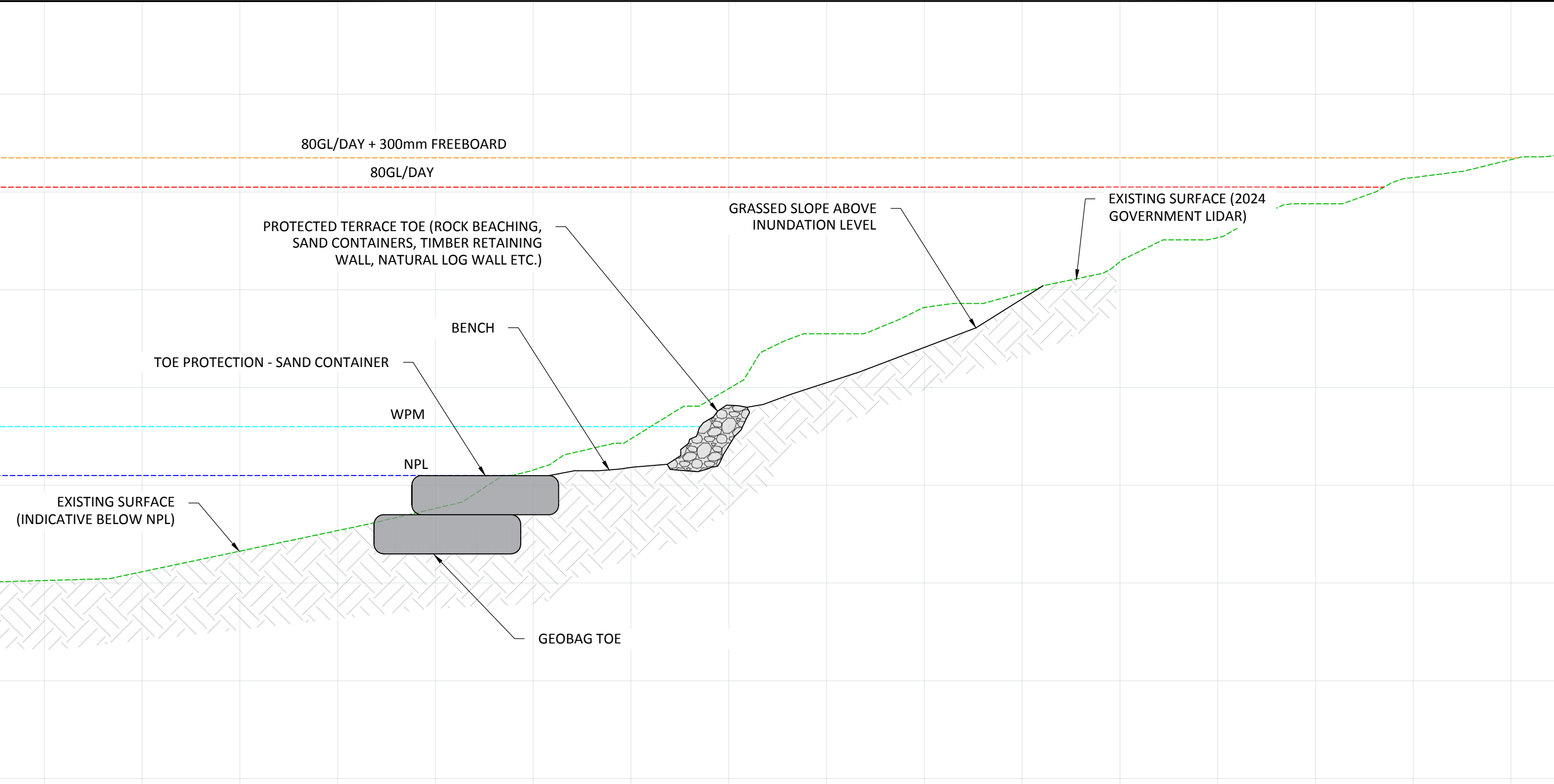
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PROJECT NO: 25122_0	DWG NO. 001	REVISION A1	SHEET NO 001	FILE NAME	WS5_TERRACE



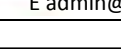
A	CONCEPTUAL FOR STAKEHOLDER REVIEW	08/10/2025	SB
REV	DESCRIPTION	DATE	APPRVD

CONCEPTUAL DRAFT

- LEGEND
- Bench
 - Terrace
 - Toe Protection
 - Repair of Existing Retaining Wall
 - Weir Pool Manipulations Level (6.6m AHD)
 - 80GL/Day Level (9.05m AHD)
 - 80GL/Day + 300mm Freeboard Level (9.35m AHD)



TYPICAL SECTION - OPTION B

SITE: WAIKERIE STAGE 5 TITLE: BANK STABILISATION CONCEPT DESIGN OPTION B - TERRACE						 NEILLY GROUP <i>engineering for the environment</i> E admin@neillygroup.com.au		ENGINEER							
SCALE @ A3 AS SHOWN						CLIENT:  District Council of Loxton Waikerie		QUALIFICATION							
								A1		CONCEPTUAL FOR STAKEHOLDER REVIEW		08/10/2025		MB	
PROJECT NO. 25122_0						DRAWING NO. 001		FILE NAME WS5_Concept Section.dwg		REV	DESCRIPTION		DATE	APPRVD	
								SIGNED:		STATUS: CONCEPTUAL DRAFT					
								DATE: 08/10/2025							